

“Exhibit E”

Proposed Operations Plan – Section 8.3 Gas Control System

A gas management system, *which is a Landfill Ancillary Use*, will be designed to collect and control decomposition gas (i.e., landfill gas) to prevent gas migration outside the landfill and also prevent gas pressure build-up under the final cover that would compromise the functions of the final cover. A gas collection/extraction system will be installed, into the waste mass consisting of gas wells and a system of connecting header and lateral piped connected to a flare or another type of gas recovery device. This system will be designed and constructed in such a manner so as to not compromise the integrity of the liner, leachate system, and final cover system. The gas collection/extraction system (GCCS) will be installed in phases as required based on the New Source Performance Standard (NSPS) regulations when non-methane organic compound (NMOC) emissions from the landfill exceed 50 mega-grams/year. The GCCS will be installed sooner if warranted to control nuisance odor conditions or a possible measure to remediate exceedance of methane concentrations great 25% of the LEL in on-site structures or to remediate off-site migration of methane gas at concentrations over the LEL. All gas emissions/extraction components, and control device(s) will comply with local, state, and federal air quality requirements.

The typical gas well spacing will be dictated by calculations based on site-specific conditions, subject to review and approval by KDHE, and will also be included locations along the ridgeline of each phase, and around the perimeter where the waste depth first reached approximately 50 feet. All components of the gas management system will be located on the Plumb Thicket facility property, within the special use boundary, *with the exception of a renewable energy plant, ancillary improvement and education center. This will be a five (5) acre lot used for renewable landfill gas production, located east of the special use boundary and north east of the entrance.* The gas wells will be constructed using large diameter boreholes dilled into the solid

waste to a depth of at least 25 feet above the liner. The boreholes will be backfilled with pea gravel. An HDPE or PVC pipe will be placed in the center of the gravel. This pipe will have perforations starting one foot below the isolation layer (i.e., surface seal materials) and extending to the bottom of the pipe. A solid HDPE or PVC pipe and vertical riser wellhead will be attached to the top of the perforated pipe. Each vertical riser vent will consist of a solid wall pipe, which will be connected to the cover geomembrane with a pipe boot. The vertical riser vents will extend about 3 feet above the final cover to make them readily visible during landfill maintenance operations and easily accessible for repairs. All materials associated with the gas collection/extraction system will be constructed of materials that will be resistant to the corrosive effects of landfill gas, such as HDPE, PVC or stainless steel. The gas wells will be connected to a system of header pipes leading to a flare or other control device for destruction or utilization of the gas. Provisions will be made during system design, construction, and operations to collect gas condensate and recirculate it into the waste along with leachate.

“Exhibit E”

Proposed Special Use Condition – Section 17

The applicant shall own and maintain, consistent with these conditions through the opening, operating, closure and post-closure of the Subject Property, the 1000 feet are on the east, west and south and 700 feet on the north that surrounds the Subject Property. As a condition of the platting process in Condition No. 16, the Applicant will be required to designate the entire remaining land area owned by the Applicant outside of, but contiguous with, the ownership of the Subject Property as a screening area, *with the inclusion of a five acre tract inside the buffer zone for the express purpose of a gas to energy plant and education center. There will also be ancillary improvements (e.g. road, landscaping).* Such an area shall be vegetated, natural buffer in the form of a nature conservancy which shall include retention of the existing tree lines. Once the screening area is established, the Applicant shall maintain it during the operation of the Subject Property and the post-closure period. Such land shall not be tax exempt from ad valorem taxes. When the design for the screening plan is approved by the Board of County Commissioners as part of the platting process, the land in the screening area shall be administered by a third party arrangement satisfactory of the Board of County Commissioners. The Applicant shall be responsible for funding the cost of establishing and maintaining the screening area and a method of providing funding on a permanent basis for such costs shall be set up by the Applicant subject to the approval of the County Commission. While the planting of vegetation on the screening easement may be accomplished in phases, the initial screening shall be designed to provide screening on the perimeter that screens the operation of the Subject Property to the greatest degree possible from the roadways adjacent to the Subject Property and from landowners who reside in the area.

Proposed Special Use Condition – Section 28.

The county shall have a right to access the Subject Property at all times for the of monitoring and inspecting the operations of the Subject Property for the compliance with federal, state, and local laws, rules, regulations, policies and these conditions. In addition, for the same purpose, the County shall have access to the Applicant's other facilities that Solid Waste may be delivered from to the Subject Property such as its transfer station in Wichita, Kansas during normal business hours of such facilities. The County shall also have a right, at any time during the normal business hours, to inspect records kept at the Subject Property or away from the Subject Property that pertains to the operation of the Subject Property or pertains to Solid Waste that is delivered to the Subject Property. In order to cover the County's cost for such monitoring and inspection, the applicant shall pay the County an annual fee of ~~(\$150,000 subject to annual CPI adjustments that is directly proportional to the percentage change in the CPI for such annual period)~~ \$175,000, of which at least \$25,000 shall be dedicated to an account managed by the Plumb Thicket Conservation Committee and specifically used for the Environmental Program and End Use initiatives at the landfill. Such payment shall be due upon the application for the permit to KDHE in a pro-rated amount for the first year through December 31 and payments made thereafter shall be made in advance on January 2 of each year. The obligation to make such payments shall end upon completion of post-closure. Upon closure the annual fee may be adjusted by agreement of the County and the Applicant to reflect the time and resources that will then be necessary to maintain appropriate inspections.

ANNUAL MONITORING FEE

Harper County, Kansas

PLUMB THICKET / WASTE CONNECTIONS			
Calculation by The Controller for the KS Division of Waste Connections			
CPI % increase from 2002 to current, added to the base amt of \$150,000			
Date	Collection	Amount	Comments
01/17/03	Annual Fee	57,534.24	Prorated for 2002
04/08/03	Annual Fee	150,000.00	
06/2004	No Fee?	0.00	
06/26/05	No Fee?	0.00	
01/27/05	Annual Fee	150,000.00	157,093.95
02/22/05	Annual Fee CPI	7,093.95	
01/13/06	Annual Fee	150,000.00	161,209.36
07/27/06	Annual fee CPI	11,209.36	
01/12/07	Annual fee	150,000.00	165,000
01/31/07	Annual fee CPI	15,000.00	
02/22/08	annual fee + cpi	171,329.40	
02/03/09	annual fee + cpi	170,077.52	
02/01/10	annual fee + cpi	175,935.54	
02/09/11	annual fee + cpi	178,863.25	
02/06/12	annual fee + cpi	184,118.00	
	annual fee + cpi	187,708.00	
02/11/14	annual fee + cpi	189,270.00	
02/09/15	annual fee +cpi	190,650.00	
03/02/16	annual fee +cpi	190,578.00	
01/29/17	"	194,062.00	
01/28/18	"	197,280.00	
01/22/19	"	199,770.00	
		2,920,479.26	

Denver, Colorado

PROJECT No. 023-2351 FILE No. 0232351A100 CADD RDP DATE 12/17/02



EXHIBIT A
WASTE CONNECTIONS OF KANSAS INC.
PLUMB THICKET LANDFILL
HARPER COUNTY, KANSAS
DECEMBER 18, 2002

NORTHWEST CORNER OF SECTION 4, T 31 S, R 6 W
- NORTHWEST CORNER GOVERNMENT LOT 4 FOUND
1 1/2" REBAR FROM COUNTY REFERENCE TIES

MINIMUM 700
SCREENING

MINIMUM 1000'
SCREENING

SECTION 4
T 31 S, R 6 W

WEST HALF
SECTION 3
T 31 S R 6 W

BOUNDARY OF MUNICIPAL SOLID
-WASTE DISPOSAL AREA
(229 ACRES)
(SOLID WASTE PERMIT PENDING)

MINIMUM 1000'
SCREENING

MINIMUM 1000
SCREENING

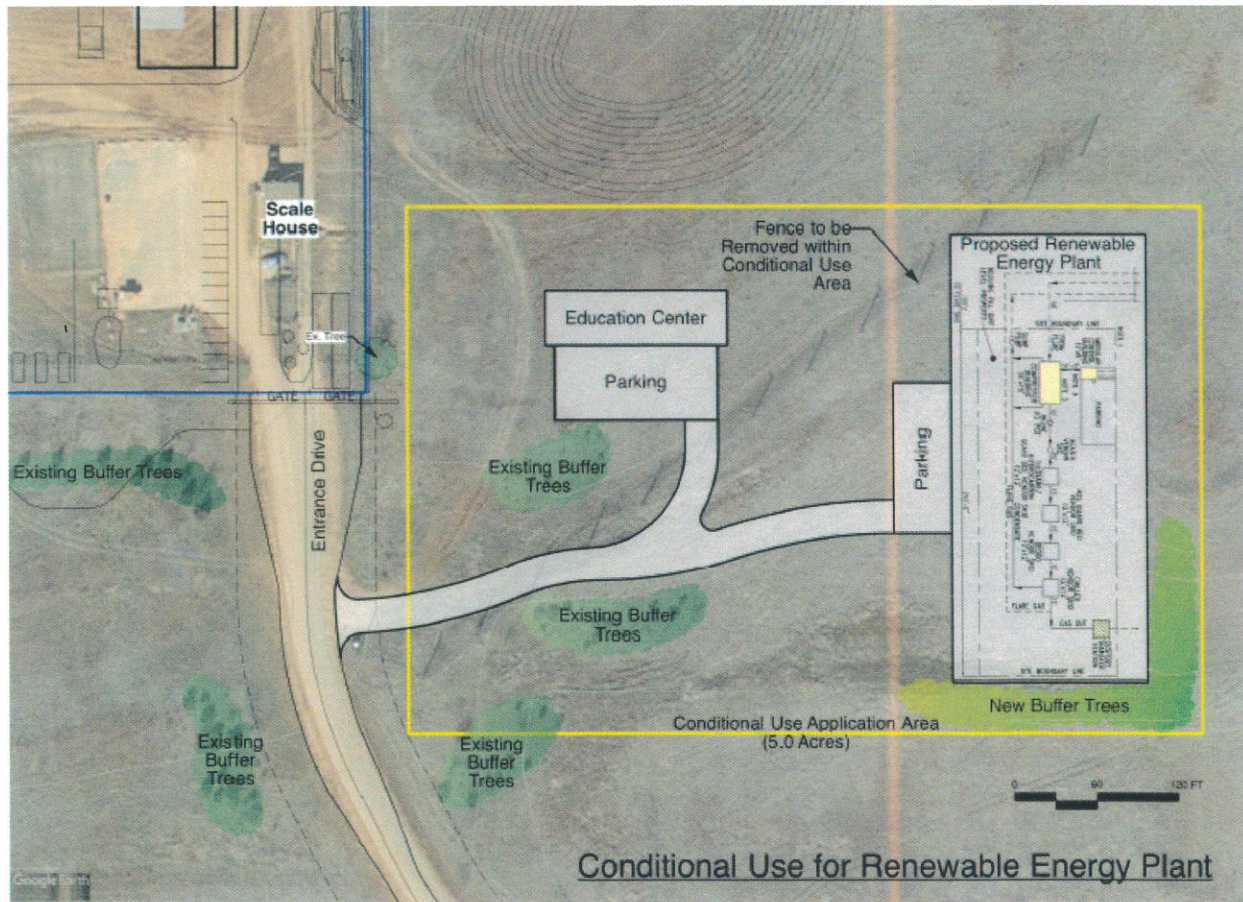
EAST LINE OF SECTION 4, T 31 S, R 6 W
-(WEST LINE OF SECTION 3, T 31 S, R 6 W)

SPECIAL USE BOUNDARY

- PROPERTY BOUNDARY

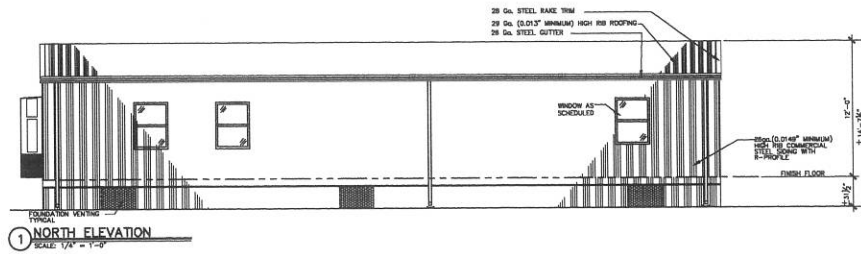


Proposed location of renewable energy plant

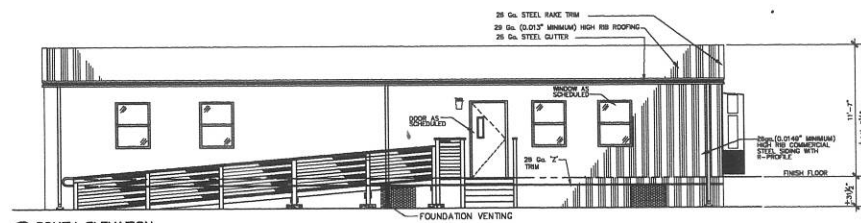


Plumb Thicket Landfill - Site Plan
 440 NE 150 Rd, Harper KS 67058
 sheet 1 of 1 scale 1"=40'
 date 10/2/2019 project #19045
 1415 E. 2nd Street N. Wichita, KS 67202-4529 www.fosterdesignassociates.com

FOSTER DESIGN
 Associates LLC
 landscape architecture & planning

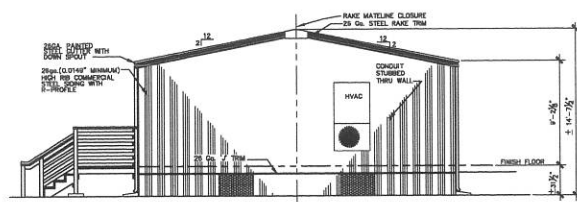


1 NORTH ELEVATION
SCALE: 1/4" = 1'-0"

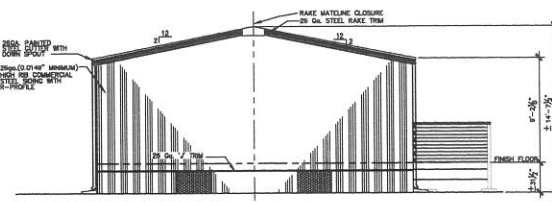


2 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"

NOTES:
FOUNDATION VENTING PROVIDED WITH
A MAXIMUM DIAMETER HOLES OF 1/4"
THIS BUILDING REQUIRES 11.5 ACFT
SFT PER SECTION 1203.3.1 IRC 2009.



3 EAST ELEVATION
SCALE: 1/4" = 1'-0"



4 WEST ELEVATION
SCALE: 1/4" = 1'-0"

PLAN ELEVATIONS
1 NORTH ELEVATION
2 SOUTH ELEVATION
3 EAST ELEVATION
4 WEST ELEVATION



PROJECT: WASTE CONNECTIONS [CUSTOMER APPROVAL]
28'-0" X 60'-0" OFFICE BUILDING
LOCATION: OKLAHOMA CITY, OK

PROJECT NUMBER: 180703
DATE: 08-10-18
DRAWN BY: EX
SHEET NO.